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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/445,769

04/19/2000

DO-HYOUNG KIM

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EXAMINER

PEYTON, TAMMARA R

ART UNIT

PAPER NUMBER

2182

NOTIFICATION DATE

DELIVERY MODE

01/25/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 09/445,769	Applicant(s) KIM, DO-HYOUNG	
	Examiner TAMMARA R. PEYTON	Art Unit 2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 August 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 19,20,22-27 and 29-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 19,20,22-27 and 29-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>8/14/09 and 12/30/09</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 19, 20, 22-27 and 29-32, are rejected under 35 U.S.C. 103(a) as being unpatentable over Sato et al., (US 6,727,799), JP-8-139844, cited as prior art 12/30/09.

As per claim 19, 20, 24, 25, and 29, Sato teaches a method for displaying changes in operation states of network devices on a display screen of a client device (acts as a client device) which operates as a client in a network where various digital devices connected to the network operate as one of the client and server devices (acts as a client device and server device), the method comprising the steps of:

(a) receiving, at the client device, a predetermined signal that indicates changes in the operation states of the server devices, from the server devices, and displaying the change in the operation state of a specific device on a screen thereof, wherein the client device establishes said communication channel with respect to the server devices by periodic polling in the step (a), wherein said periodic polling occurs at

Art Unit: 2182

regular intervals. (Sato teaches that "a device (target) which is controlled immediately notifies a device (controller) which controls the controlled device of a predetermined change in the internal status thereof and thus the device (controller) which controls the controlled device does not need to transmit a command several times so as to monitor the status of the device which is controlled" and , JP 8-139844 teaches that "according to the present invention, an image forming means returns a status to a host computer when there is a change in the status, thereby preventing a load of a network from increasing and preventing the performance, such as a transfer speed of a substantial print job, of the image forming means from deteriorating," See JP8-139844)

Further, as disclosed in JP 8-139844, 'status information' means "operation status" here the information including the state information regarding a print being under transmission or a print having been completed while another print is being performed, and error information, such as no paper or paper jam" Thus, it would have been obvious to one of ordinary skill in the art to include "the 'copier' (server device) transmitting the predetermined signal indicating the change in the operation state thereof to the appliance (client device) in which the browser function is embedded (operation (b) recited in the claimed invention)" and "the appliance (client device) in which the browser function is embedded receiving the predetermined signal indicating the change in the operation state of the "copier" (server device) and displaying the change in the operation state of the corresponding "copier" (server device) (operation (c) recited in the claimed invention)" It would have been obvious to one of ordinary skill

Art Unit: 2182

at the time the invention was made to implement Sato with JP8-139844 because doing so would further expand and add flexibility to Sato's system.

Sato- JP 8-139844 does not teach the use of a Java applet. Nonetheless, it would have been obvious to one of ordinary skill that Java applet applications are well known in the art. Further, Sato-JP8-139844 teaches of using GUIs that provides real-time displays of images representing devices coupled to a bus structure. Therefore, Sato-JP8-139844 would have been motivated to implement Java applets into the GUI in order to expand the flexibility of Sato-JP8-139844 real-time displays of devices coupled to the bus structure.

Conclusion

The examiner requests, in response to this office action, support be shown for language added to any original claims on amendment and any new claims. That is, indicate support for newly added claim language by specifically pointing to page(s) and line number(s) in the specification and/or drawing figure(s). This will assist the examiner in prosecuting the application. When responding to this office action, applicant is advised to clearly point out the patentable novelty which he or she thinks the claims present, in view of the state of art disclosed by the references cited or the objections made. He or she must also show how the amendments avoid such references or objections. See 37 C.F.R.I .III(c).

In amending in reply to a rejection of claims in an application or patent under reexamination, the applicant or patent owner must clearly point out the patentable novelty which he or she thinks the claims present in view the state of the art disclosed

Art Unit: 2182

by the references cited or the objections made. The applicant or patent owner must also show how the amendments avoid such references or objections.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (571) 272-4157. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on (571) 272- 6729. The fax phone number for the organization where this application or proceeding is assigned is (571) 273- 8300. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272- 2100.

/Tammara R Peyton/

Primary Examiner, Art Unit 2182

December 30, 2009